A8920-5

The Society of the
Plastics Industry, Inc.

SPI

Monthly Statistical Report-Resins

355 Lexington Avenue
New York, New York 10017
(212) 573-9400

FOR THE MONTH AND PERIOD ENDED JUNE, 1984

PRODUCTION AND SALES & CAPTIVE USE OF THERMOSETTING AND THERMOPLASTIC RESINS

ISSUED BY THE
COMMITTEE ON RESIN STATISTICS

AS COMPILED BY ERNST & WHINNEY, NEW YORK, N. Y.

1984 ISSUE NO. 6

RELEASE DATE: AUGUST 15, 1984

NOTE TO USERS:

PLEASE USE THE FOLLOWING LEGEND WHEN QUOTING DATA FROM THIS REPORT.

SOURCE: SPI COMMITTEE ON RESIN STATISTICS AS COMPILED BY ERNST & WHINNEY

© 1984 The Society of the Plastics Industry, Inc.
All rights reserved. No part of this publication may be reproduced in any form without permission from SPI

The figures published in this report are reflective of the relevant segment of the industry. In accordance with SPI policy and regulations of the Committee on Resin Statistics, figures will not be published which tend to identify, directly or indirectly, a participant's individual data. Any figures withheld to avoid disclosure are identified by the letter "D" at the applicable line or space of the report. A line will be identified by a "D" if one company has more than 65% of that line, or if there are less than four companies reporting on that line.

PART 300/400
NON-PART 400/500

SPI

SECTION I

CRS

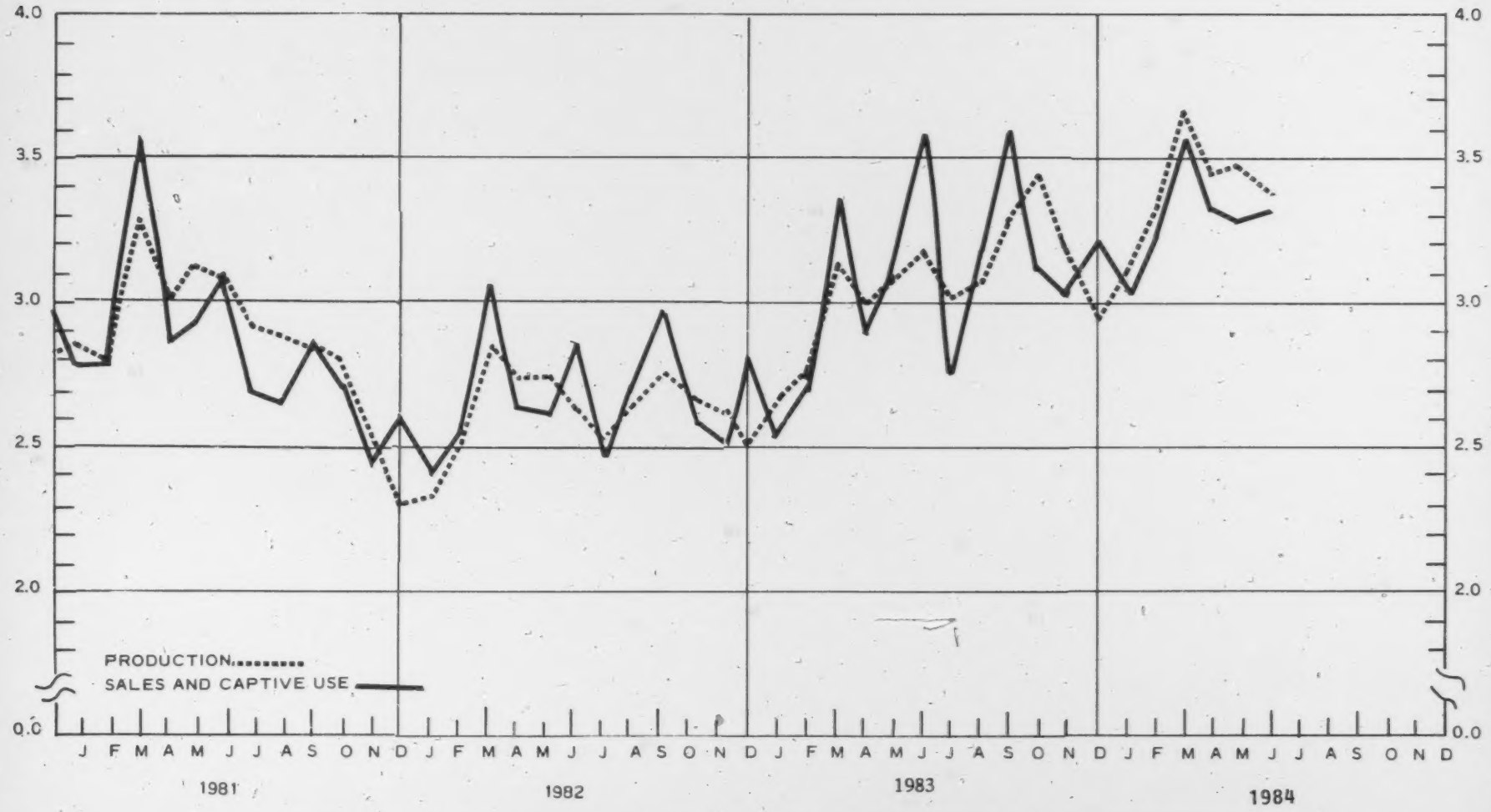
MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

PRODUCTION AND SALES & CAPTIVE USE OF PLASTIC RESINS

(In billion of pounds)

JUNE, 1984


4.0
3.5
3.0
2.5
2.0
0.0
PRODUCTION
SALES AND CAPTIVE USE
J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D
1981
1982
1983
1984

COMPILED BY ERNST & WHINNEY, NEW YORK, N. Y. FOR SPI'S COMMITTEE ON RESIN STATISTICS (CRS).

A8920-5A

SPI

SECTION I

CRS

MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

(In thousands of pounds, dry weight basis)(1)

REVISED JUNE 1984

RESIN KIND	SALES & CAPTIVE USE						PRODUCTION					
	JUNE			YEAR-TO-DATE			JUNE			YEAR-TO-DATE		
	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change
EPOXY RESINS, TOTAL	32,917	30,634	+7.5	200,942R	158,165	+27.0	27,460	29,280	-6.2	202,680	173,529	+16.8
POLYESTER (UNSATURATED) RESINS, TOTAL	109,853	103,224	+6.5	635,818	525,102	+21.1	111,170	102,586	+8.4	642,663	529,662	+21.3
UREA RESINS, TOTAL	104,951	103,520	+1.4	616,717	579,984	+6.3	104,039	104,538	-0.5	618,511	583,536	+6.0
MELAMINE RESINS, TOTAL	16,165	15,512	+4.2	100,737	87,907	+14.6	20,087	15,892	+26.4	109,309	88,795	+23.1
PHENOLIC & OTHER TAR ACID RESINS, TOTAL	207,189	220,219	-5.9	1,300,105R	1,213,161	+7.2	207,980	215,712	-3.6	1,294,212R	1,185,898	+9.1
THERMOSETTING RESINS, TOTAL	471,075	473,109	-0.4	2,854,319R	2,564,319	+11.3	470,736	468,008	+0.6	2,867,375R	2,561,420	+11.9
LOW-DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL	679,813	767,647	-11.4	3,998,163R	3,919,620	+2.0	715,595	641,851	+11.5	4,282,608R	3,927,606	+9.0
HIGH-DENSITY POLYETHYLENE ABOVE 0.940, TOTAL	488,519	600,093	-18.6	2,870,830R	2,747,914	+4.5	506,102	506,680	-0.1	3,080,922R	2,729,668	+12.9
POLYPROPYLENE, TOTAL	440,266	403,272	+9.2	2,387,182	2,141,898	+11.5	424,992	369,911	+14.9	2,485,228	2,124,876	+17.0
ACRYLONITRILE-BUTADIENE-STYRENE (ABS) RESINS, TOTAL	89,496	89,286	+0.2	579,526	477,359	+21.4	89,453	83,960	+6.5	620,264R	472,827	+31.2
STYRENE-ACRYLONITRILE (SAN) RESINS, TOTAL	7,665	7,536	+1.7	50,468R	45,048	+12.0	7,194	7,360	-2.3	75,529R	44,570	+69.5
OTHER STYRENE BASED POLYMERS, TOTAL 40% or more styrene	19,905	21,964	-9.4	126,137	112,127	+12.5	20,034	16,713	+19.9	135,328	108,043	+25.3
POLYSTYRENE, TOTAL	346,232	347,131	-0.3	1,921,522R	1,785,049	+7.6	347,760	314,321	+10.6	1,883,483R	1,718,140	+9.6
STYRENE BUTADIENE LATEXES, TOTAL Carboxylated, 45% styrene content and over	D	D		D	D		D	D		D	D	
OTHER STYRENE BASED LATEXES, TOTAL 50% or more styrene including styrene butadiene latexes not carboxylated (4)	65,372	60,939	+7.3	381,626R	339,456	+12.4	62,461	61,595	+1.4	380,844R	343,808	+10.8
NYLON RESINS, TOTAL	33,344	26,776	+24.5	196,619	152,600	+28.8	35,445	26,768	+32.4	215,010	145,724	+47.5
POLYVINYL CHLORIDE & COPOLYMERS (DRY RESIN CONTENT), TOTAL	506,763	660,050	-23.2	3,436,522R	3,258,199	+5.5	543,300	571,104	-4.9	3,487,653R	3,074,747	+13.4
VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL	61,854	66,867	-7.5	363,872	345,211	+5.4	* 61,854	* 66,867	-7.5	* 363,872	* 345,211	+5.4
POLYVINYL ALCOHOL, TOTAL #	12,095	13,027	-7.2	73,710	67,347	+9.4	14,458	11,920	+21.3	74,680	60,055	+24.4
OTHER VINYL RESINS, TOTAL	13,841	16,461	-15.9	93,651	83,998	+11.5	16,341	15,752	+3.7	96,259	89,759	+7.2
THERMOPLASTIC POLYESTER, TOTAL	76,629	67,367	+13.7	413,452	366,034	+13.0	78,567	70,542	+11.4	424,571	364,398	+16.5
THERMOPLASTIC RESINS, TOTAL	2,841,794	3,148,416	-9.7	16,893,280R	15,841,860	+6.6	2,923,556	2,765,344	+5.7	17,606,251R	15,549,432	+13.2
GRAND TOTAL	3,312,869	3,621,525	-8.5	19,747,599R	18,406,179	+7.3	3,394,292	3,233,352	+5.0	20,473,626R	18,110,852	+13.1

(1) = Except phenolic resins which are reported on a gross weight basis

(4) = Includes Styrene Butadiene Latexes

= Includes imputed data

Compiled by ERNST & WHINNEY, New York, N.Y., for SPI'S COMMITTEE ON RESIN STATISTICS (CRS)

All rights reserved. Reproduction, resale or other reuse of this material without the express, written consent of SPI is prohibited.

*These data equal that reported for Sales & Captive Use to more closely represent the ratio between Total Production and Total Sales & Captive Use. Actual production of PVAc is significantly higher than that shown here.

SPI

SECTION I

MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

(In metric tons, dry weight basis)(1)

CRS

REVISED JUNE 1984

RESIN KIND	SALES & CAPTIVE USE						PRODUCTION					
	JUNE			YEAR-TO-DATE			JUNE			YEAR-TO-DATE		
	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change
EPOXY RESINS, TOTAL	14,931	13,895	+7.5	91,147R	71,743	+27.0	12,456	13,281	-6.2	91,935	78,712	+16.8
POLYESTER (UNSATURATED) RESINS, TOTAL	49,829	46,822	+6.4	288,405	238,185	+21.1	50,426	46,533	+8.4	291,510	240,253	+21.3
UREA RESINS, TOTAL	47,605	46,957	+1.4	279,741	263,080	+6.3	47,192	47,418	-0.5	280,555	264,690	+6.0
MELAMINE RESINS, TOTAL	7,332	7,036	+4.2	45,694	39,873	+14.6	9,111	7,209	+26.4	49,582	40,277	+23.1
PHENOLIC & OTHER TAR ACID RESINS, TOTAL	93,981	99,891	-5.9	589,724R	550,286	+7.2	94,339	97,846	-3.6	587,051R	537,920	+9.1
THERMOSETTING RESINS, TOTAL	213,678	214,601	-0.4	1,294,711R	1,163,167	+11.3	213,524	212,287	+0.6	1,300,633R	1,161,852	+11.9
LOW-DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL	308,361	348,202	-11.4	1,813,555R	1,777,928	+2.0	324,592	291,142	+11.5	1,942,578R	1,781,551	+9.0
HIGH-DENSITY POLYETHYLENE ABOVE 0.940, TOTAL	221,591	272,200	-18.6	1,302,200R	1,246,446	+4.5	229,566	229,829	-0.1	1,397,497R	1,238,170	+12.9
POLYPROPYLENE, TOTAL	199,703	182,923	+9.2	1,082,819	971,558	+11.5	192,775	167,791	+14.9	1,127,292	963,838	+17.0
ACRYLONITRILE-BUTADIENE-STYRENE (ABS) RESINS, TOTAL	40,595	40,500	+0.2	262,871	216,528	+21.4	40,576	38,084	+6.5	281,350R	214,473	+31.2
STYRENE-ACRYLONITRILE (SAN) RESINS, TOTAL	3,477	3,418	+1.7	22,892R	20,434	+12.0	3,263	3,338	-2.3	34,260R	20,216	+69.5
OTHER STYRENE BASED POLYMERS, TOTAL 40% or more styrene	9,029	9,963	-9.4	57,215	50,860	+12.0	9,087	7,581	+19.9	61,384	49,008	+25.3
POLYSTYRENE, TOTAL	157,050	157,458	-0.3	871,597R	809,693	+7.6	157,743	142,575	+10.6	854,342R	779,343	+9.6
STYRENE BUTADIENE LATEXES, TOTAL Carboxylated, 45% styrene content and over	D	D		D	D		D	D		D	D	
OTHER STYRENE BASED LATEXES, TOTAL 50% or more styrene including styrene butadiene latexes not carboxylated (4)	29,652	27,642	+7.3	173,103R	153,976	+12.4	28,332	27,939	+1.4	172,750R	155,950	+10.8
NYLON RESINS, TOTAL	15,125	12,145	+24.5	89,186	69,219	+28.8	16,078	12,142	+32.4	97,528	66,100	+47.5
POLYVINYL CHLORIDE & COPOLYMERS (DRY RESIN CONTENT), TOTAL	229,866	299,397	-23.2	1,558,796R	1,477,909	+5.5	246,439	259,051	-4.9	1,581,989R	1,394,697	+13.4
VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL	28,057	30,331	-7.5	165,051	156,587	+5.4	28,057	30,331	-7.5	165,051	156,587	+5.4
POLYVINYL ALCOHOL, TOTAL #	5,486	5,909	-7.2	33,435	30,548	+9.4	6,558	5,407	+21.3	33,875	27,241	+24.4
OTHER VINYL RESINS, TOTAL	6,278	7,467	-15.9	42,480	38,102	+11.5	7,412	7,145	+3.7	43,663	40,714	+7.2
THERMOPLASTIC POLYESTER, TOTAL	34,759	30,557	+13.7	187,541	166,032	+13.0	35,638	31,998	+11.4	192,584	165,290	+16.5
THERMOPLASTIC RESINS, TOTAL	1,289,029	1,428,112	-9.7	7,662,741R	7,185,820	+6.6	1,326,116	1,254,353	+5.7	7,986,143R	7,053,178	+13.2
GRAND TOTAL	1,502,707	1,642,713	-8.5	8,957,452R	8,348,987	+7.3	1,539,640	1,466,640	+5.0	9,286,776R	8,215,030	+13.1

(1) = Except phenolic resins which are reported on a gross weight basis

(4) = Includes Styrene Butadiene Latexes

= Includes imputed data

Compiled by ERNST & WHINNEY, New York, N.Y., for SPI'S COMMITTEE ON RESIN STATISTICS (CRS)

All rights reserved: Reproduction, resale or other reuse of this material without the express, written consent of SPI is prohibited.

For the purpose of this table, one metric ton equals 2,204.6 pounds. On a monthly basis, the calculation of metric tons from thousands of pounds may not agree precisely due to rounding.

*These data equal that reported for Sales & Captive Use to more closely represent the ratio between Total Production and Total Sales & Captive Use. Actual production of PVAc is significantly higher than that shown here.

MONTHLY STATISTICAL REPORT
THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
(In thousands of pounds, dry weight basis)

THERMOSETTING RESINS — JUNE 1984

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	JUNE			YEAR-TO-DATE			JUNE			YEAR-TO-DATE		
	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change
EPOXY RESINS, TOTAL	32,917	30,634	+7.5	200,942R	158,165	+27.0	27,460	29,280	-6.2	202,680	173,529	+16.8
Total Exports	1,823	4,018	-54.6	22,109	17,193	+28.6						
Total Domestic	31,094	26,616	+16.8	178,833R	140,972	+26.9						
Bonding & Adhesives	1,881	1,473	+27.7	10,248R	8,046	+27.4						
Flooring, Paving & Exposed Aggregate	1,400	2,051	-31.7	9,229R	8,822	+4.6						
Protective Coatings	14,646	10,873	+34.7	81,091R	63,182	+28.3						
Fiber Reinforced Laminates & Composites, Total	7,601	7,009	+8.4	47,672R	33,317	+43.1						
FRL&C for Printed Wiring Board	5,305	5,307	-0.0	33,976R	23,693	+43.4						
All Other FRL&C	2,296	1,702	+34.9	13,696R	9,624	+42.3						
Tooling, Casting & Molding Resins	3,096	2,308	+34.1	16,331R	13,253	+23.2						
All Other Uses	2,470	2,902	-14.9	14,262R	14,352	-0.6						
POLYESTER (UNSATURATED) RESINS, TOTAL	109,853	103,224	+6.4	635,818	525,102	+21.1	111,170	102,586	+8.4	642,663	529,662	+21.3
Total Exports	728	1,129	-35.5	4,358	5,207	-16.3						
Total Domestic	109,125	102,095	+6.9	631,460	519,895	+21.5						
General Purpose Resins, Total	98,213	91,168	+7.7	567,939	464,099	+22.4						
General Purpose — Thixotropic	44,540	45,042	-1.1	258,897	215,652	+20.1						
General Purpose — Press Molding	19,164	11,992	+59.8	103,000	65,288	+57.8						
General Purpose — All Other	34,509	34,134	+1.1	206,042	183,159	+12.5						
Flame Retardant Resins	2,208	1,875	+17.8	11,410	9,911	+15.1						
Chemical Resistant Resins	8,704	9,052	-3.8	52,111	45,885	+13.6						
Chemical Resistant Isophthalic Resins	5,892	5,739	+2.7	36,070	30,910	+16.7						
All Other Chemical Resistant Resins	2,812	3,313	-15.1	16,041	14,975	+7.1						
Reinforced Plastics, Total	84,579	79,323	+6.6	488,954	400,285	+22.2						
Non-Reinforced Plastics, Total	24,546	22,772	+7.8	142,506	119,610	+19.1						

R = Revision

Compiled by ERNST & WHINNEY, New York, N.Y., for SPI'S COMMITTEE ON RESIN STATISTICS (CRS)

All rights reserved. Reproduction, resale or other reuse of this material without the express, written consent of SPI is prohibited.

MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

THERMOSETTING RESINS (In thousands of pounds, dry weight basis)(1) JUNE 1984

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	JUNE			YEAR-TO-DATE			JUNE			YEAR-TO-DATE		
	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change
UREA RESINS, TOTAL	104,951	103,520	+1.4	616,717	579,984	+6.3	104,039	104,538	-0.5	618,511	583,536	+6.0
MELAMINE RESINS, TOTAL	16,165	15,512	+4.2	100,737	87,907	+14.6	20,087	15,892	+26.4	109,309	88,795	+23.1
UREA & MELAMINE RESINS, TOTAL	121,116	119,032	+1.8	717,454	667,891	+7.4	124,126	120,430	+3.1	727,820	672,331	+8.3
Total Exports	D	D		D	D							
Total Domestic *	121,116	119,032	+1.8	717,454	667,891	+7.4						
Textile Treating & Coating Resins	D	D		D	D		D	D		D	D	
Paper Treating & Coating Resins	8,827	7,409	+19.1	52,143	33,492	+55.7	9,057	7,775	+16.5	53,850	43,161	+24.8
Molding Compounds	D	D		D	D		D	D		D	D	
Bonding & Adhesive Resins for:	92,248	93,588	-1.4	540,787	502,060	+7.7	92,161	93,505	-1.4	542,631	508,483	+6.7
Laminating	3,427	3,283	+4.4	22,407	19,645	+14.1	4,413	3,403	+29.7	23,317	19,666	+18.6
Plywood	5,464	5,843	-6.5	28,981	31,216	-7.2	5,688	6,038	-5.8	30,089	32,201	-6.6
Fibrous & Granulated Wood (Particle Board)	83,357	84,462	-1.3	489,399	451,199	+8.5	82,060	84,064	-2.4	489,225	456,616	+7.1
Protective Coatings (Straight & Modified)	7,035	6,317	+11.4	43,067	38,469	+12.0	10,584	8,707	+21.6	56,422	43,554	+29.5
All Other Uses (Includes Textile Treating & Coating Resins, Molding Compounds, and Exports)	13,006	11,718	+11.0	81,457	93,870	-13.2	12,324	10,443	+18.0	74,917	77,133	-2.9
PHENOLIC & OTHER TAR ACID RESINS, TOTAL	207,189	220,219	-5.9	1,300,105R	1,213,161	+7.2	207,980	215,712	-3.6	1,294,212R	1,185,898	+9.1
Total Exports	6,568	2,156	+204.6	16,131R	12,175	+32.5						
Total Domestic	200,621	218,063	-8.0	1,283,974R	1,200,986	+6.9						
Molding Compounds	18,962	20,218	-6.2	131,324	110,162	+19.2	25,392	23,778	+6.8	149,136	128,395	+16.2
Bonding & Adhesive Resins for:	176,833	192,974	-8.4	1,125,979R	1,066,794	+5.5	177,532	186,984	-5.1	1,116,673R	1,032,877	+8.1
Laminating	12,303	14,364	-14.3	80,343R	81,420	-1.3	10,248	11,727	-12.6	71,400R	67,767	+5.4
Coated & Bonded Abrasives	1,882	2,151	-12.5	13,448	13,610	-1.2	2,016	2,245	-10.2	13,313	13,411	-0.7
Friction Materials	3,361	2,696	+24.7	19,347R	15,227	+27.1	3,347	2,833	+18.1	19,242R	15,088	+27.5
Insulation Materials	27,546	29,885	-7.8	171,556R	158,401	+8.3	27,798	28,511	-2.5	168,963R	148,630	+13.7
Foundry & Shell Molding	7,119	6,029	+18.1	39,663	33,443	+18.6	7,578	6,334	+19.6	41,284	34,329	+20.3
Plywood	103,593	114,215	-9.3	660,446	631,466	+4.6	103,225	111,366	-7.3	653,449	618,993	+5.6
Fibrous & Granulated Wood	14,204	17,068	-16.8	94,318	93,451	+0.9	14,146	16,909	-16.3	94,434	91,887	+2.8
Resins Sold to Rubber Industry	2,231	2,207	+1.1	15,928	12,898	+23.5	3,465	2,286	+51.6	19,174	14,078	+36.2
All Other	4,594	4,359	+5.4	30,930	26,878	+15.1	5,709	4,773	+19.6	35,414	28,694	+23.4
Protective Coatings — Unmodified & Modified	1,905	1,780	+7.0	11,435	9,337	+22.5	2,035	1,727	+17.8	12,246	9,889	+23.8
Resins Sold to Rubber Industry, Non-Adhesive Uses #	D	D		D	D		D	D		D	D	
All Other Uses #	2,921	3,091	-5.5	15,236R	14,693	+3.7	3,021	3,223	-6.3	16,157R	14,737	+9.6

(1) = Except phenolic resins which are reported on gross weight basis

* = Domestic total includes exports.

Compiled by ERNST & WHINNEY, New York, N.Y., for SPI'S COMMITTEE ON RESIN STATISTICS (CRS)

All rights reserved: Reproduction, resale or other reuse of this material without the express, written consent of SPI is prohibited.

= Due to disclosure problem, All Other Uses includes Resins Sold to Rubber Industry, Non-Adhesive Uses.

R = Revision

SPI

SECTION I

MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

CRS

THERMOPLASTIC RESINS

(In thousands of pounds, dry weight basis)

JUNE 1984

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	JUNE			YEAR-TO-DATE			JUNE			YEAR-TO-DATE		
	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change
LOW-DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL	679,813	767,647	-11.4	3,998,163R	3,919,620	+2.0	715,595	641,851	+11.5	4,282,608R	3,927,606	+9.0
Total Exports	100,076	94,408	+6.0	389,867	472,934	-17.6						
Total Domestic	579,737	673,239	-13.9	3,608,296R	3,446,686	+4.7						
Film (12 Mils & Below)	360,407	442,366	-18.5	2,237,941R	2,211,767	+1.2						
Sheet (Over 12 Mils)	D(3)	D(3)		D(3)	D(3)							
Injection Molding	49,978	66,488	-24.8	309,923R	324,463	-4.5						
Wire & Cable	29,673	25,812	+15.0	191,621R	153,522	+24.8						
Extrusion Coating	55,425	53,470	+3.7	331,180R	280,308	+18.1						
Blow Molding	3,571	4,074	-12.3	22,826R	19,775	+15.4						
Pipe & Conduit, Total	759	2,727	-72.2	15,620R	12,999	+20.2						
Corrugated Pipe & Conduit	D	D		D	D							
Non-Corrugated Pipe & Conduit	D	D		D	D							
Other Extruded Products	6,945	9,731	-28.6	40,029R	41,655	-3.9						
All Other Uses	72,979	68,571	+6.4	459,156R	402,197	+14.2						
HIGH-DENSITY POLYETHYLENE ABOVE 0.940, TOTAL	488,519	600,093	-18.6	2,870,830R	2,747,914	+4.5	506,102	506,680	-0.1	3,080,922R	2,729,668	+12.9
Total Exports	52,890	113,140	-53.3	332,389R	475,653	-30.1						
Total Domestic	435,629	486,953	-10.5	2,538,441R	2,272,261	+11.7						
Film (12 Mils & Below)	28,395	40,830	-30.5	161,673R	183,122	-11.7						
Sheet (Over 12 Mils)	7,355	7,854	-6.4	47,235R	37,624	+25.5						
Injection Molding	97,347	133,793	-27.2	595,671R	578,867	+2.9						
Wire & Cable	10,919	9,294	+17.5	60,299R	55,825	+8.0						
Extrusion Coating	D(2)	D(2)		D(2)	D(2)							
Blow Molding	172,828	174,594	-1.0	1,024,601R	864,772	+18.5						
Pipe & Conduit, Total	41,780	54,907	-23.9	233,758R	218,399	+7.0						
Corrugated Pipe & Conduit	11,992	21,739	-44.8	68,119R	91,923	-25.9						
Non-Corrugated Pipe & Conduit	29,788	33,168	-10.2	165,639R	126,476	+31.0						
Other Extruded Products	3,407	4,329	-21.3	21,496R	19,229	+11.8						
All Other Uses	73,598	61,352	+20.0	393,708R	314,423	+25.2						

D = Disclosure
(2) = Included in Other Extruded Products
(3) = Included in Film

Compiled by ERNST & WHINNEY, New York, N.Y., for SPI'S COMMITTEE ON RESIN STATISTICS (CRS)

All rights reserved: Reproduction, resale or other reuse of this material without the express, written consent of SPI is prohibited.

R = Revision

MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

THERMOPLASTIC RESINS

(In thousands of pounds, dry weight basis)

JUNE 1984

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	JUNE			YEAR-TO-DATE			JUNE			YEAR-TO-DATE		
	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change
POLYPROPYLENE, TOTAL	440,266	403,272	+9.2	2,387,182	2,141,898	+11.5	424,992	369,911	+14.9	2,485,228	2,124,876	+17.0
Total Exports	82,279	76,032	+8.2	336,868	388,467	-13.3						
Total Domestic	357,987	327,240	+9.4	2,050,314	1,753,431	+16.9						
Injection Molding	116,015	107,351	+8.1	686,115	591,883	+15.9						
Appliances	11,362	7,556	+50.4	60,768	45,708	+32.9						
Consumer Products	24,540	26,091	-5.9	154,559	153,924	+0.4						
Rigid Packaging	31,836	37,034	-14.0	176,804	184,343	-4.1						
Transportation	25,019	20,807	+20.2	169,705	123,145	+37.8						
All Other Injection Molding	23,258	15,863	+46.6	124,279	84,763	+46.6						
Blow Molding	9,138	5,842	+56.4	52,597	38,097	+38.1						
Containers	D	D		D	D							
All Other Blow Molding	D	D		D	D							
Film (10 Mils & Below)	38,610	28,926	+33.5	202,060	173,038	+16.8						
Sheet (Over 10 Mils)	5,043	2,670	+88.9	27,094	13,406	+102.1						
Extrusion Coating	D	D		D	D							
Wire & Cable	D	D		D	D							
Fiber & Filaments	113,751	109,716	+3.7	674,234	577,931	+16.7						
Pipe & Conduit	D	D		D	D							
Other Extruded Products #	12,508	11,454	+9.2	56,812	55,172	+3.0						
Resellers & Compounders	49,629	44,112	+12.5	260,317	217,473	+19.7						
All Other Uses	13,293	17,169	-22.6	91,085	86,431	+5.4						

D = Disclosure

Compiled by ERNST & WHINNEY, New York, N.Y., for SPI'S COMMITTEE ON RESIN STATISTICS (CRS)

All rights reserved. Reproduction, resale or other reuse of this material without the express, written consent of SPI is prohibited.

= Includes Extrusion Coating, Wire & Cable, Pipe & Conduit

SPI

SECTION I

MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

CRS

THERMOPLASTIC RESINS

(In thousands of pounds, dry weight basis)

JUNE 1984

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	JUNE			YEAR-TO-DATE			JUNE			YEAR-TO-DATE		
	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change
ACRYLONITRILE-BUTADIENE-STYRENE (ABS) RESINS, TOTAL	89,496	89,286	+0.2	579,526	477,359	+21.4	89,453	83,960	+6.5	620,264R	472,827	+31.2
Total Exports												
Total Domestic												
Electrical & Electronic Uses												
Pipe, Conduit & Fittings												
Transportation												
Consumer & Institutional												
All Other Uses												
STYRENE-ACRYLONITRILE (SAN) RESINS, TOTAL	7,665	7,536	+1.7	50,468R	45,048	+12.0	7,194	7,360	-2.3	75,529R	44,570	+69.5
Total Exports	1,284	829	+54.9	6,682	4,640	+44.0						
Total Domestic	6,381	6,707	-4.9	43,786R	40,408	+8.4						
OTHER STYRENE BASED POLYMERS, TOTAL* 40% or more styrene	19,905	21,964	-9.4	126,137	112,127	+12.5	20,034	16,713	+19.9	135,328	108,043	+25.3
Total Export	D	D		D	D							
Total Domestic	19,905	21,964	-9.4	126,137	112,127	+12.5						
Molding & Extrusion	13,745	16,618	-17.3	90,263	81,662	+10.5						
Coatings	6,160	5,346	+15.2	35,874	30,465	+17.8						
POLYSTYRENE RESINS, TOTAL	346,232	347,131	-0.3	1,921,522R	1,785,049	+7.6	347,760	314,321	+10.6	1,883,483R	1,718,140	+9.6
Straight Polystyrene	180,828	186,380	-3.0	986,581R	920,498	+7.2	174,877	163,249	+7.1	974,178R	895,681	+8.8
Rubber-Modified Polystyrene	165,404	160,751	+2.9	934,941	864,551	+8.1	172,883	151,072	+14.4	909,305	822,459	+10.6
Total Exports	11,224	8,180	+37.2	50,901	41,122	+23.8						
Straight Polystyrene	5,481	3,480	+57.5	27,217	20,753	+31.1						
Rubber-Modified Polystyrene	5,743	4,700	+22.2	23,684	20,369	+16.3						
Total Domestic	335,008	338,951	-1.2	1,870,621R	1,743,927	+7.3						
Molding	129,221	137,049	-5.7	733,089	733,531	0.0						
Extrusion	131,152	113,088	+16.0	718,494	601,248	+19.5						
Expandable Polystyrene Beads	43,543	61,741	-29.5	226,966R	234,384	-3.2						
All Other Uses	31,092	27,073	+14.8	192,072	174,764	+9.9						
Polystyrene End Uses, Total**	335,008	338,951	-1.2	1,870,621R	1,743,927	+7.3						
Packaging	83,776	86,376	-3.0	478,890R	443,375	+8.0						
Disposables	50,209	39,269	+27.9	271,325R	212,969	+27.4						
Consumer and Institutional Products	49,688	51,565	-3.6	273,388	275,243	-0.7						
Electrical/Electronics	28,478	23,498	+21.2	142,052R	143,299	-0.9						
Furniture, Furnishings, Building & Construction	14,530	14,903	-2.5	87,311R	80,056	+9.1						
Expandable Polystyrene Beads	43,543	61,741	-29.5	226,966R	234,384	-3.2						
All Other End Uses	64,784	61,599	+5.2	390,689R	354,601	+10.2						

R = Revision

**Portions of the End Use Section are estimated.

*Exports are included in Domestic, Total and Molding & Extrusion.

Compiled by ERNST & WHINNEY, New York, N.Y., for SPI'S COMMITTEE ON RESIN STATISTICS (CRS)

All rights reserved. Reproduction, resale or other reuse of this material without the express, written consent of SPI is prohibited.

MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

THERMOPLASTIC RESINS

(In thousands of pounds, dry weight basis)

JUNE 1984

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	JUNE			YEAR-TO-DATE			JUNE			YEAR-TO-DATE		
	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change
STYRENE BUTADIENE LATEXES, TOTAL Carboxylated, 45% styrene content and over	D	D		D	D		D	D		D	D	
OTHER STYRENE BASED LATEXES, TOTAL 50% or more styrene including butadiene latexes not carboxylated	D	D		D	D		D	D		D	D	
STYRENE BUTADIENE & OTHER STYRENE BASED LATEXES, TOTAL***	65,372	60,939	+7.3	381,626R	339,456	+12.4	62,461	61,595	+1.4	380,844R	343,808	+10.8
Paper Treating	1,575	2,434	-35.3	12,564	15,167	-17.2						
Textile Treating	996	1,687	-41.0	7,870	10,534	-25.3						
Carpet Backing	27,713	26,769	+3.5	161,767	145,155	+11.4						
All Other Uses (Including Exports & Paper Coating)	35,088	30,049	+16.8	199,425R	168,600	+18.3						
NYLON RESINS, TOTAL	33,344	26,776	+24.5	196,619	152,600	+28.8	35,445	26,768	+32.4	215,010	145,724	+47.5
Total Exports	2,982	2,236	+33.4	11,589	10,339	+12.1						
Total Domestic	30,362	24,540	+23.7	185,030	142,261	+30.1						
Injection Molding Grade	20,258	15,353	+31.9	125,122	89,679	+39.5						
Extrusion Grade	7,516	7,143	+5.2	46,345	42,208	+9.8						
Resellers and Compounders	2,011	1,435	+40.1	10,193	7,449	+36.8						
All Other Uses	577	609	-5.3	3,370	2,925	+15.2						

***Old disclosure rules apply for Styrene Butadiene section. One company cannot be greater than 50% and no two companies can be greater than 75%. For disclosure rules covering other materials, see the back of the cover of the report.

Compiled by ERNST & WHINNEY, New York, N.Y., for SPI'S COMMITTEE ON RESIN STATISTICS (CRS)

All rights reserved: Reproduction, resale or other reuse of this material without the express, written consent of SPI is prohibited.

R = Revision

MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

THERMOPLASTIC RESINS (In thousands of pounds, dry weight basis) REVISED JUNE 1984

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	JUNE REVISED			YEAR-TO-DATE			JUNE REVISED			YEAR-TO-DATE		
	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change
POLYVINYL CHLORIDE & COPOLYMERS (DRY RESIN CONTENT), TOTAL	506,763	660,050	-23.2	3,436,523R	3,258,199	+5.5	543,300	571,104	-4.9	3,487,654R	3,074,747	+13.4
Homopolymer Resins Including Blending & Latex	451,177	582,804	-22.6	3,093,232R	2,904,050	+6.5	491,176	510,322	-3.8	3,136,525R	2,752,660	+13.9
Copolymer Resins Including Blending & Latex	24,481	32,749	-25.2	147,485R	147,028	+0.3	21,900	27,436	-20.2	147,875R	136,791	+8.1
Dispersion Resins	31,105	44,497	-30.1	195,806R	207,121	-5.5	30,224	33,346	-9.4	203,254R	185,296	+9.7
Total Exports	23,279	45,255	-48.6	173,772R	281,517	-38.3						
Total Domestic	483,484	614,795	-21.4	3,262,751R	2,976,682	+9.6						
Calendering, Total	51,933	83,770	-38.0	350,265R	372,622	-6.0						
Flooring	15,555	16,822	-7.5	84,415R	81,984	+3.0						
Textile	6,888	11,828	-41.8	51,220	51,571	-0.7						
All Other Calendering Uses	29,490	55,120	-46.5	214,630R	239,067	-10.2						
Coating, Total	31,985	40,308	-20.6	180,082R	186,854	-3.6						
Flooring	14,673	19,354	-24.2	67,277R	80,199	-16.1						
Textile & Paper Coating	9,914	11,198	-11.5	60,241R	59,245	+1.7						
Protective Coatings	3,591	4,644	-22.7	22,809R	23,099	-1.3						
Adhesives & All Other Coating Uses	3,807	5,112	-25.5	29,755R	24,311	+22.4						
Extrusion, Total	303,824	378,202	-19.7	2,141,882R	1,852,854	+15.6						
Wire & Cable	31,877	34,948	-8.8	217,778R	181,428	+20.0						
Film & Sheet	24,648	32,847	-25.0	164,792R	157,545	+4.6						
Rigid Pipe & Tubing (Except Fittings)	193,580	249,809	-22.5	1,424,948R	1,228,555	+16.0						
All Other Extrusions	53,719	60,598	-11.4	334,364R	285,326	+17.2						
Molding, Total	38,595	36,427	+6.0	242,474R	212,766	+14.0						
Bottles	18,035	14,553	+23.9	101,488	74,261	+36.7						
Sound Records	4,761	5,733	-17.0	35,686	44,100	-19.1						
Fittings (Rigid Pipe & Tubing)	8,430	8,292	+1.7	63,306R	52,929	+19.6						
All Other Molding	7,369	7,849	-6.1	41,994R	41,476	+1.2						
Paste Processes (Except Coating)	15,296	17,912	-14.6	90,120R	87,468	+3.0						
Plastisol Formulation	8,590	11,685	-26.5	50,807R	50,109	+1.4						
All Other	6,706	6,227	+7.7	39,313R	37,359	+5.2						
Resellers & Compounders	13,870	22,090	-37.2	89,895R	106,569	-15.6						
All Other Uses	27,981	36,086	-22.5	168,033	157,549	+6.7						

Compiled by ERNST & WHINNEY, New York, N.Y., for SPI'S COMMITTEE ON RESIN STATISTICS (CRS)

All rights reserved: Reproduction, resale or other reuse of this material without the express, written consent of SPI is prohibited.

MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

THERMOPLASTIC RESINS (In thousands of pounds, dry weight basis) JUNE 1984

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	JUNE			YEAR-TO-DATE			JUNE			YEAR-TO-DATE		
	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change
VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL	61,854	66,867	-7.5	363,872	345,211	+5.4						
Total Exports	297	450	-34.0	1,916	3,481	-45.0						
Total Domestic	61,557	66,417	-7.3	361,956	341,730	+5.9						
Emulsion Paints	17,717	23,200	-23.6	109,034	108,848	+0.2						
Adhesives, Caulks and Sealants	25,608	25,165	+1.8	147,665	135,931	+8.6						
Paper Treating & Paper Coating	10,618	10,114	+5.0	62,165	57,372	+8.4						
Textile Treating	2,413	2,870	-15.9	12,270	10,996	+11.6						
Non-Woven Binders	2,833	2,651	+6.9	15,942	15,608	+2.1						
All Other Uses	2,368	2,417	-2.0	14,880	12,975	+14.7						
POLYVINYL ALCOHOL, TOTAL #	12,095	13,027	-7.2	73,710	67,347	+9.4	14,458	11,920	+21.3	74,680	60,055	+24.4
Total Exports	2,646	2,739	-3.4	14,600	11,468	+27.3						
Total Domestic	9,449	10,288	-8.2	59,110	55,879	+5.8						
OTHER VINYL RESINS*, TOTAL	13,841	16,461	-15.9	93,651	83,998	+11.5	16,341	15,752	+3.7	96,259	89,759	+7.2
Total Exports	2,888	3,420	-15.6	21,752	18,855	+15.4						
Total Domestic	10,953	13,041	-16.0	71,899	65,143	+10.4						
*Include only polyvinyl butyral, polyvinyl formal, and polyvinylidene chloride												
THERMOPLASTIC POLYESTER, TOTAL	76,629	67,367	+13.7	413,452	366,034	+13.0	78,567	70,542	+11.4	424,571	364,398	+16.5
Total Exports	5,626	9,593	-41.4	44,067	40,465	+8.9						
Total Domestic	71,003	57,774	+22.9	369,385	325,569	+13.5						
PET Bottle Grades (Carbonated Bottles)	52,226	43,322	+20.6	261,393	243,447	+7.4						
All Other Thermoplastic Polyester**	18,777	14,452	+29.9	107,992	82,122	+31.5						

**Includes All Other PET, Other Bottle grades, and All Injection Molding Grades

= Includes imputed data

Compiled by ERNST & WHINNEY, New York, N.Y., for SPI'S COMMITTEE ON RESIN STATISTICS (CRS)

All rights reserved: Reproduction, resale or other reuse of this material without the express, written consent of SPI is prohibited.

Ernst & Whinney

153 East 53rd Street
New York, New York 10022

212/888-9100

August 15, 1984

To: Participants in and Subscribers to the SPI's Monthly Resin Report

Beginning with the SPI's June Monthly Resin Report, imports are included in the PVC Sales figures. To avoid an apparent decrease in inventory, a production figure equal to the monthly imports has been added to the total production figure. The inclusion of imports is noted on the PVC and totals pages, and, if in the future, other resins are to include import data, it will be so noted.

Sincerely yours,

Valerie J. Gould
Statistical Services
Department

VJG:mm